

CLAIMS

1. Use of at least one acid-stable protease in animal feed wherein the protease has an identity of at least 70% to
 - 5 (i) SEQ ID NO: 1, and/or
 - (ii) SEQ ID NO: 2.
2. Use of at least one acid-stable protease in the preparation of a composition for use in animal feed, wherein
 - 10 the protease has an identity of at least 70% to
 - (i) SEQ ID NO: 1, and/or
 - (ii) SEQ ID NO: 2.
3. The use of claim 1, wherein the dosage of the protease
 - 15 is 0.01-200 mg protease enzyme protein per kg feed.
4. The use of claim 2, wherein the intended dosage of the protease is 0.01-200 mg protease enzyme protein per kg feed.
5. A method for improving the nutritional value of an animal feed, wherein at least one acid-stable protease is added to the feed, and wherein the protease has an identity of at least 70% to
 - 20 (i) SEQ ID NO: 1, and/or
 - 25 (ii) SEQ ID NO: 2.
6. An animal feed additive comprising
 - (a) at least one acid-stable protease; and
 - (b) at least one fat-soluble vitamin, and/or
 - 30 (c) at least one water-soluble vitamin, and/or
 - (d) at least one trace mineral, and/or
 - (e) at least one macro mineral;wherein the protease has an identity of at least 70% to
 - (i) SEQ ID NO: 1, and/or
 - 35 (ii) SEQ ID NO: 2.

7. The animal feed additive of claim 6, wherein the amount of the protease corresponds to an intended addition of 0.01-200 mg protease protein per kg feed.

5 8. The animal feed additive of any one of claims 6-7, which further comprises phytase, xylanase, galactanase, and/or beta-glucanase.

9. An animal feed composition having a crude protein
10 content of 50-800 g/kg and comprising at least one acid-stable protease, wherein the protease has an identity of at least 70% to

(i) SEQ ID NO: 1, and/or

(ii) SEQ ID NO: 2.

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10. The animal feed composition of claim 9, wherein the amount of the protease is 0.01-200 mg protease protein per kg feed.

20 11. A method for the treatment of vegetable proteins, comprising the step of adding at least one acid-stable protease to at least one vegetable protein or protein source, wherein the protease has an identity of at least 70% to

(i) SEQ ID NO: 1, and/or

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(ii) SEQ ID NO: 2.

12. The method of claim 11, wherein soybean is included amongst the at least one vegetable protein source.